

## **Attachment C**

**Pages MU0020371, MU0020373, and MU0020388 of Exhibit A1 included with the  
Declaration of Craig Hansen Under 37 CFR § 1.313 filed on September 18, 2009**

**(3 pages)**

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# Major Operation Codes

MAJOR	0	32	64	96	128	160	192	224
0	ERES	GSHUFFLEI	FMULADD16	GMULADD1	LU16LAI	SAAS64LAI	EADDIO	BFE16
1	ESHUFFLEI4MUX	GSHUFFLEI4MUX	FMULADD32	GMULADD2	LU16BAI	SAAS64BAI	EADDIO	BFNUJE16
2	EMDEPI	GSELECT8	FMULADD64	GMULADD4	LU16LI	SCAS64LAI	ESETIL	BFNUJE16
3	EMUX	GMDEPI		GMULADD8	LU16BI	SCAS64BAI	ESETIGE	BFNUL16
4	EGFMUL84	GMUX	FMULSUB16	GMULADD16	LU32LAI	SMAS64LAI	ESETIE	BFE32
5	ETRANPOSE8MUX	G8MUX	FMULSUB32	GMULADD32	LU32BAI	SMAS64BAI	ESETINE	BFNUJE32
6		GGFMUL8	FMULSUB64	GMULADD64	LU32LI	SMUX64LAI	ESETIUL	BFNUJE32
7		GTRANPOSE8MUD		GEXTRACT128	LU32BI	SMUX64BAI	ESETIUGE	BFNUL32
8					L16LAI		ESUBIO	BFE64
9	ESWIZZLE	GSWIZZLE		GUMULADD2	L16BAI	S16LAI	ESUBIO	BFNUJE64
10		GSWIZZLE.COPY		GUMULADD4	L16LI	S16BAI	ESUBIL	BFNUJE64
11		GSWIZZLE.SWAP		GUMULADD8	L16BI	S16BI	ESUBIGE	BFNUL64
12	EDEPI	GDEPI	F.16	GUMULADD16	L32LAI	S32LAI	ESUBIE	BFE128
13	EUDEPI	GUDEPI	F.32	GUMULADD32	L32BAI	S32BAI	ESUBINE	BFNUJE128
14	EUWTHI	GUWTHI	F.64	GUMULADD64	L32LI	S32LI	ESUBIUL	BFNUJE128
15	EUWTHI	GUWTHI		GEXTRACT128	L32BI	S32BI	ESUBIUGE	BFNUL128
16				GEXTRACTI	L64LAI	S64LAI	EADDI	BANDE
17			GFMLADD16	GEXTRACTI16	L64BAI	S64BAI	EXORI	BANDNE
18			GFMLADD32	GEXTRACTI32	L64LI	S64LI	EORI	BL/BLZ
19			GFMLADD64	GEXTRACTI64	L64BI	S64BI	EANDI	BGE/BGEZ
20			GFMLSUB16	GEXTRACT	L128LAI	S128LAI	ESUBI	BE
21			GFMLSUB32	.164	L128BAI	S128BAI		BNE
22			GFMLSUB64	G.EXTRACT	L128LI	S128LI	ENORI	BUL/BGZ
23			GFMLSUB128	.1.128	L128BI	S128BI	ENANDI	BUGE/BLEZ
24				G.1	L8I	S8I		BGATEI
25				G.2	LU8I			
26				G.4				
27				G.8				
28			GF.16	G.16				
29			GF.32	G.32			ECOPYI	
30			GF.64	G.64				BI
31			GF.128	G.128	L.MINOR	S.MINOR	E.MINOR	BLINKI
								B.MINOR

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# Minor Operation Codes: E, G

E.minor	0	8	16	24	32	40	48	56
0	EADD	ESUBO	EANDN		EADD	ESUB	ESHLIO	ESHRI
1	EADDUO	ESUBUO	EXOR		ESHLIO	ESHLUO	ESHLIO	ESHRI
2	ESETL	ESUBL	EOR				ESHLUO	EUSHRI
3	ESETGE	ESURGE	EAND		ELMS	EULMS	ESHLUO	EUSHRI
4	ESET	ESUBE	EORN		ESELECT8	ESELECT8	ESHLUO	EROTRI
5	ESETNE	ESUBNE	EXNOR		ESHL	EUSHR	ESHL	EROTRI
6	ESETUL	ESUBUL	ENOR		ESHR	EMSHR	ESHL	EMSHRI
7	ESETUGE	ESUBUGE	ENAND		EROTR	EMSHR	ESHL	EMSHRI

G.size	0	8	16	24	32	40	48	56
0	GSETL	GMUL	GANDN		GADD	GSUB	GEXPAND	GSHR
1	GSETGE	GUMUL	GXOR		GCOMPRESS	GUCOMPRESS	GEXPAND	GSHR
2	GSET	GDIV	GOR				GEXPAND	GSHR
3	GSETGE	GDIV	GAND				GEXPAND	GSHR
4	GSET	GSUB	GORN		GEXPAND	GEXPAND	GEXPAND	GSHR
5	GSETNE		GXNOR		GROTL	GSHL	GEXPAND	GSHR
6	GSETUL		GNOR		GSHR	GSHR	GEXPAND	GSHR
7	GSETUGE		GNAND		GROTR	GMSHR	GEXPAND	GSHR

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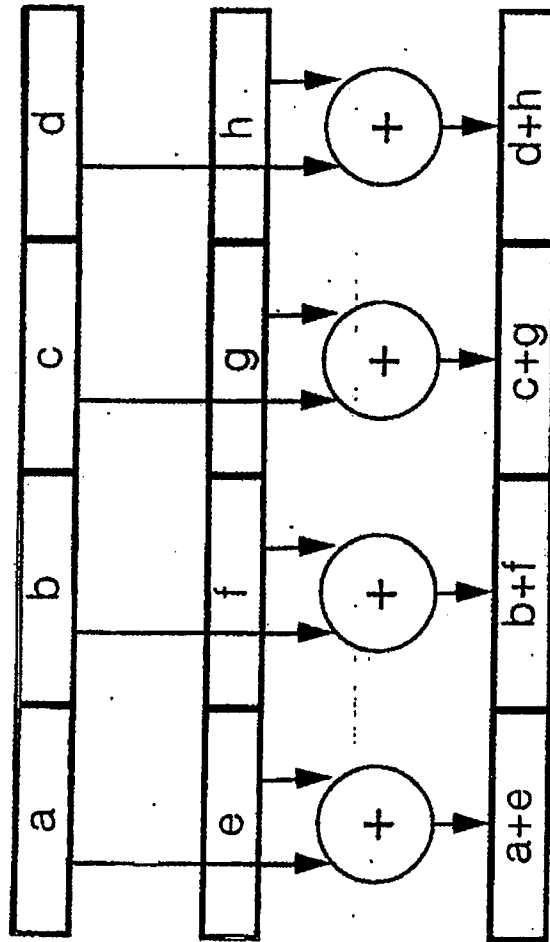
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## Group Add



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